## CLAIMS

WHAT IS CLAIMED IS:

- 1. A package comprising:
- a substrate comprising:

a pocket;

an overflow reservoir around a periphery of said pocket; and

a mating surface around a periphery of said overflow reservoir;

a first electronic component coupled within said pocket;

a sealing encapsulant filling said pocket, said sealing encapsulant comprising an exterior surface coplanar with said mating surface; and

excess encapsulant within said overflow reservoir.

- 2. The package of Claim 1 further comprising a second electronic component coupled within said pocket.
- 3. The package of Claim 1 wherein said first electronic component is coupled within said pocket in a configuration selected from the group consisting of a wirebond configuration, a surface mount configuration and a flip chip configuration.
- 4. The package of Claim 1 wherein said substrate further comprises:
  - a pocket base surface; and
- a pocket sidewall surface, said pocket base surface and said pocket sidewall surface defining said pocket.
- 5. The package of Claim 4 wherein said first electronic component comprises a first surface comprising a bond pad and a second surface coupled to said pocket base surface, said package further comprising:
- a pin extending through said pocket base surface and through said substrate and protruding from a lower surface of said substrate; and

a bond wire electrically coupling said bond pad to said pin.

6. The package of Claim 4 wherein said first electronic component comprises a first surface comprising a bond pad and a second surface coupled to said pocket base surface, said package further comprising:

an inner trace coupled to said pocket base surface; a bond wire electrically coupling said bond pad to said inner trace; and

an outer trace coupled to a lower surface of said substrate, said inner trace being electrically coupled to said outer trace.

- 7. The package of Claim 6 further comprising an interconnection pad coupled to said outer trace.
- 8. The package of Claim 6 further comprising an interconnection ball coupled to said outer trace.
- 9. The package of Claim 1 wherein said sealing encapsulant comprises a cured flowable material.
- 10. The package of Claim 1 wherein said exterior surface of said sealing encapsulant has a smoothness approximate equal to a smoothness of glass.
- 11. The package of Claim 1 wherein said sealing encapsulant is opaque.
- 12. The package of Claim 1 wherein said excess encapsulant is formed of a same material as said sealing encapsulant.
- 13. The package of Claim 1 wherein said excess encapsulant comprises an exterior surface below said mating surface.

- 14. A substrate comprising:
- a pocket base surface;
- a pocket sidewall surface, said pocket base surface and said pocket sidewall surface defining a pocket;
  - a drain base surface;
  - a drain inner sidewall surface;
- a drain outer sidewall surface, said drain base surface, said drain inner sidewall surface, and said drain outer sidewall surface defining an overflow reservoir; and
- a runner surface extending between said drain inner sidewall surface and said pocket sidewall surface.
- 15. The substrate of Claim 14 wherein said runner surface extends between said pocket and said overflow reservoir.
- 16. The substrate of Claim 14 further comprising a mating surface extending from said drain outer sidewall surface, said mating surface being formed around a periphery of said overflow reservoir.
- 17. The substrate of Claim 16 wherein said runner surface is below said mating surface.
- 18. The substrate of Claim 14 wherein said overflow reservoir is around a periphery of said pocket.
  - 19. A package comprising:
  - a substrate comprising:
    - a pocket; and

an overflow reservoir around a periphery of
said pocket;

an optical element coupled within said pocket, said optical element comprising an active area on a surface of said optical element;

a transparent sealing encapsulant filling said pocket; and

a transparent excess encapsulant within said overflow reservoir.

- 20. The package of Claim 19 wherein said transparent sealing encapsulant comprises a planar exterior surface parallel with said surface of said optical element and above said active area.
- 21. The package of Claim 19 further comprising a structure in contact with said sealing encapsulant.
- 22. The package of Claim 21 wherein said structure comprises a window.
- 23. The package of Claim 22 wherein a first surface of said window is in contact with said sealing encapsulant, a second surface of said window being in contact with a waveguide.
- 24. The package of Claim 21 wherein said structure comprises a waveguide.
  - 25. A package comprising:

a substrate comprising a mating surface and a means for containing an electronic component;

a means for protecting said electronic component filling said means for containing; and

a means for preventing said mating surface from being contaminated by said means for protecting.

- 26. The package of Claim 25 wherein said means for protecting is transparent.
- 27. The package of Claim 26 wherein said means for protecting comprises an exterior surface coplanar with said mating surface.
  - 28. A method comprising:

coupling an electronic component within a pocket of a substrate:

over filling said pocket with a flowable material; squeezing said flowable material between a structure and said substrate, a volume of said flowable material overflowing said pocket during said squeezing; and capturing said volume of said flowable material.

- 29. The method of Claim 28 wherein said volume of said flowable material is captured within an overflow reservoir.
- 30. The method of Claim 29 wherein a volume of said overflow reservoir is at least as great as said volume of said flowable material.
- 31. The method of Claim 28 wherein said structure is selected from the group consisting of a window and a waveguide.
- 32. The method of Claim 28 further comprising curing said flowable material to form a sealing encapsulant comprising a planar exterior surface.